

# Water Analysis Meter PCE-228



## PCE-228 Water Analysis Meter

### Measures pH, redox and temperature /

SD memory card(1 ... 16 GB), measured values are stored in an Excel file /

Large display / RS-232 interface and optional PC software

The PCE-228 water analysis meter is an easy-to-use handheld device for measuring pH, mV and °C. With the PCE-228 water analysis meter, both temperature and pH values can be directly stored onto a SD card (in Excel format), or transferred to a PC through an RS-232 interface. An optional software and data cable for the PCE-228 water analysis meter are available as accessories to transfer data to a computer. Temperature compensation in the PCE-228 water analysis meter can be done manually or automatically by way of the temperature sensor which is included. The pH meter has two calibration points. The calibration can be done with the trimmer on the side of the device which is protected under a cover. With this combined device, the user can determine pH value, temperature or redox potency (ORP). For the latter measurement parameter, a redox electrode must be ordered separately from the PCE-228 water analysis meter. We recommend the ORP-14 electrode. The water analysis meter is powered by a 9V battery, which is included in the delivery contents.

- ▶ Good price-performance ratio
- ▶ SD memory card (up to 16 GB)
- ▶ Measured values are directly saved in the SD card as an Excel file
- ▶ RS-232 interface for real time data transference
- ▶ Measures pH values, redox, conductivity, salt content, oxygen and temperature
- ▶ High accuracy
- ▶ Low battery indication
- ▶ Large LCD display
- ▶ Adjustment of the measurement rate
- ▶ Easy-to-use
- ▶ Solid enclosure
- ▶ Includes pH PE 03 electrode and a stainless steel temperature sensor
- ▶ Automatic calibration
- ▶ Manual or automatic temperature compensation
- ▶ BNC connector
- ▶ Suitable for measurements in laboratories and on site
- ▶ Optional redox electrode

Subject to change

# Specifications

## Technical specifications

Measurement range	0.00 to 14.00 pH -1999 to 0 to 1999 mV(only with the optional Redox electrode) 0.0 ... 65.0 °C or 32 ... 149 °F (only the temperature sensor)
Resolution	0.01 pH 1 mV 0.1°C
Accuracy (at 20°C)	± (0.02 pH + 2 digits) ± (0.5 % + 2 digits) ±0.5°C
Calibration	Automatic three-point calibration
Temperature compensation	automatic from 0 to 65°C or manual between 0 and 100°C removing the temperature sensor
Electrode	pH PE-03 electrode, 1 meter cable and BNC plug temperature range: 0 ... 60 °C
Measurement rate	adjustable from 1 second up to 8 hours 59 min 59 sec
Display	LCD display: 52 x 38 mm
Memory	SD card from 1 ... 16 GB (2 GB memory card included)
Interface	RS-232
Software	optional
Power supply	6 x 1.5 V AA batteries / mains adapter 9 V (optional)
Operating conditions	0 to 50°C max. 80% r.h.
Dimensions	177 x 68 x 45 mm
Weight	490 g

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